

Title (en)

EASY-TO-TEAR STRETCHED ALIPHATIC-POLYESTER FILM

Title (de)

LEICHT ZERREISSBARE FOLIE AUS ALIPHATISCHEM POLYESTER

Title (fr)

FILM A BASE DE POLYESTER ALIPHATIQUE, EXTENSIBLE ET SE DECHIRANT FACILEMENT

Publication

**EP 1471095 A4 20050330 (EN)**

Application

**EP 03701006 A 20030106**

Priority

- JP 0300014 W 20030106
- JP 2002000821 A 20020107
- JP 2002108199 A 20020410
- JP 2002339238 A 20021122
- JP 2002339239 A 20021122
- JP 2002377516 A 20021226

Abstract (en)

[origin: EP1471095A1] Easily-tearable aliphatic polyester stretched film has an edge tear strength in the machine direction and transverse direction of = 22N. Independent claims are also included for: (1) an easily-cut bag for packing manufactured using a film where active rays are irradiated on aliphatic polyester film; and (2) the manufacture of a lactic acid-type polyester film where a non-stretched laminated film formed by laminating a resin (B) having a melting point  $T_{m\text{ bon}} \geq 1$  surface of a lactic acid-type aliphatic polyester resin layer (A) of melting point  $T_{m\text{ aso}}$   $T_{m\text{ b}} \geq T_{m\text{ a}} + 10[\text{deg}]\text{C}$ , so the thickness of (B) is 5-60% compared to the thickness of the whole film, is stretched in  $\geq 1$  axial direction and heat treated to a temperature  $T_s$  which satisfies  $T_{m\text{ a}} - 10[\text{deg}]\text{C} = T_{m\text{ b}} + 10[\text{deg}]\text{C}$ .

IPC 1-7

**C08J 5/18**; **C08L 67/00**

IPC 8 full level

**C08J 5/18** (2006.01)

CPC (source: EP KR US)

**C08G 63/00** (2013.01 - KR); **C08J 5/18** (2013.01 - EP KR US); **C08J 2367/04** (2013.01 - EP US); **Y10T 428/1352** (2015.01 - EP US)

Citation (search report)

- [X] EP 1038906 A2 20000927 - TOYO BOSEKI [JP]
- [X] EP 0776927 A1 19970604 - MITSUI TOATSU CHEMICALS [JP]
- [A] WO 9812250 A1 19980326 - GRACE W R & CO [US], et al
- See references of WO 03057765A1

Cited by

EP3581608A1; WO2019240583A1

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